

## REQUEST FOR COUNCIL ACTION

**SUBJECT:** Amendment No. 1 with Caldwell Richards Sorensen for Well No. 6 Project

**SUMMARY:** Approve Amendment No. 1 to the Agreement with Caldwell Richards Sorensen for additional design services for Well No. 6 Project, in an amount not-to-exceed \$3,800.00.

**FISCAL**

**IMPACT:** Funding for this project is available through Capital Projects Water account.

**STAFF RECOMMENDATION:**

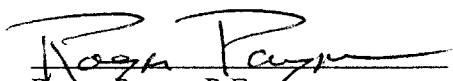
Staff recommends approval of Amendment No. 1 to the Agreement with Caldwell Richards Sorensen for additional design services for Well No. 6 Project, in an amount not-to-exceed \$3,800.00.

**MOTION RECOMMENDED:**

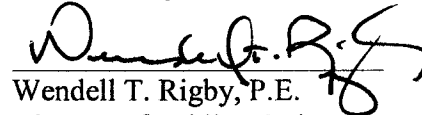
"I move to adopt Resolution No. 14-53 authorizing the Mayor to execute Amendment No. 1 to the Agreement with Caldwell Richards Sorensen for additional design services for Well No. 6 Project, in an amount not-to-exceed \$3,800.00.

Roll Call vote required.

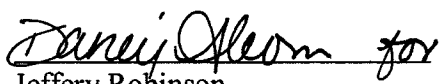
**Prepared by:**

  
Roger Payne, P.E.  
Engineering Manager for Utilities


**Reviewed by:**

  
Wendell T. Rigby, P.E.  
Director of Public Works

**Reviewed as to Legal Sufficiency:**

  
Jeffery Robinson  
City Attorney

**Recommended by:**

  
Richard L. Davis  
City Manager

## **BACKGROUND DISCUSSION:**

The engineering firm of Caldwell Richards Sorensen (CRS) is under contract with the City to provide engineering services for the Well No. 6 Rehabilitation Project. Their scope of work includes tasks associated with the evaluation and rehabilitation of the well to restore the well efficiency by specifying and supervising the cleaning and chemical treatment of the well screens and casing. To perform these tasks the well pump was removed to allow for inspection of the well. The well pump was determined to be poor condition and beyond repair. A new well pump, discharge pipe and drive shaft are required. CRS was asked to add a task to their scope of work to prepare bid specifications for purchase of a new well pump assembly.

In addition, it has been discovered that the electrical panel to power and control the pump is aged, outdated and repair parts are not available. It is necessary to replace the electrical panel and recommended to upgrade it to a variable frequency control panel. This will allow the pump speed to be controlled which will vary the flow rate of the well pump and improve performance of this well. CRS was asked to add a task to their scope of work to prepare bid specifications for purchase of a new electrical control panel.

Both of these tasks would be included into the amended contract with CRS engineers for a total fee increase of \$3,800.00. Staff recommends approval of this contract amendment.

### **Attachments:**

- Letter from CRS
- Amendment
- Resolution

**THE CITY OF WEST JORDAN, UTAH**  
A Municipal Corporation  
RESOLUTION NO. 14-53

**A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE AMENDMENT NO. 1 TO THE  
AGREEMENT BETWEEN THE CITY AND CALDWELL RICHARDS SORENSEN**

**WHEREAS**, the City Council of the City of West Jordan has reviewed Amendment No. 1 to the Agreement between the City of West Jordan and Caldwell Richards Sorensen (a copy of which is attached) for additional engineering services for the Well No. 6 project, in an amount not-to-exceed \$3,800; and

Whereas, the City Council desires to execute Amendment No. 1 to the Agreement with Caldwell Richards Sorensen which award shall not be binding upon the City of West Jordan unless and until the Amendment is fully executed by the parties; and

Whereas, the proposed Amendment No. 1 to the Agreement between the City of West Jordan and Caldwell Richards Sorensen for additional engineering services for the Well No. 6 project, in an amount not-to-exceed \$3,800 has been reviewed; and

Whereas, the City Council of the City of West Jordan has determined that the attached Amendment No. 1 to the Agreement with Caldwell Richards Sorensen for an amount not-to-exceed \$3,800 is acceptable.

**NOW, THEREFORE, IT IS RESOLVED BY THE CITY COUNCIL OF WEST JORDAN, UTAH, THAT:**

Section 1.                      After approval as to legal form, the Mayor is hereby authorized and directed to execute Amendment No. 1 to the Agreement between the City of West Jordan and Caldwell Richards Sorensen, for an amount not to exceed \$3,800.

Section 2.                      This Resolution shall take effect immediately upon passage.

Adopted by the City Council of West Jordan, Utah this 26<sup>th</sup> day of March 2014.

CITY OF WEST JORDAN

ATTEST:

By: \_\_\_\_\_  
Mayor Kim V. Rolfe

\_\_\_\_\_  
MELANIE BRIGGS  
City Recorder

Voting by the City Council	"AYE"	"NAY"
Jeff Haaga	_____	_____
Judy Hansen	_____	_____
Chris McConnehey	_____	_____
Chad Nichols	_____	_____
Ben Southworth	_____	_____
Justin D. Stoker	_____	_____
Mayor Kim V. Rolfe	_____	_____

**AMENDMENT NO. 1**  
**TO AN AGREEMENT**  
**FOR PROFESSIONAL SERVICES**  
**BETWEEN THE CITY OF WEST JORDAN**  
**AND**  
***Caldwell Richards Sorensen***

THIS AMENDMENT, made and entered into this 26<sup>th</sup> day of March 2014 by and between the CITY OF WEST JORDAN, a municipal corporation (hereinafter referred to as "City"), and Caldwell Richards Sorensen (hereinafter referred to as "Consultant").

The City and Consultant agree as to amend the following sections of the original Professional Services Agreement to provide for additional engineering services for the Well No. 6 Project.

2. **DESCRIPTION OF SERVICES**

The services to be performed by Consultant are as follows:

Provide additional engineering services for the Project as described in the attached Consultant's proposal date March 11, 2014.

3. **COMPENSATION AND PAYMENT**

The total compensation payable to Consultant by City for the services described in Paragraph 2 shall not exceed the sum of **\$3,800.00** for Amendment No. 1 bringing the total not-to exceed fee to \$24,308.00 for services under this contract and fee shall be earned on an hourly basis as indicated in the Professional Services Agreement.

In concurrence and witness whereof, this Agreement has been executed by the parties effective on the date and year first above written.

CITY OF WEST JORDAN

\_\_\_\_\_  
Kim V. Rolfe, Mayor

APPROVED AS TO ADMINISTRATION:

\_\_\_\_\_  
Melanie Briggs, MMC  
City Recorder

CONSULTANT

By: [Signature]

Its: LEO

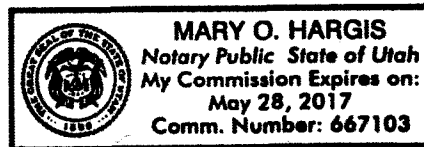
STATE OF UTAH )

:SS

COUNTY OF SALT LAKE

On this 14th day of MARCH, 2014, personally appeared before me,  
PAUL HIRST, who being by me duly sworn did say that he is the  
CEO of CRS CONSULTING ENGINEERS, a  
corporation, and that the foregoing instrument was signed in behalf of said corporation by  
authority of its Board of Directors, and he acknowledged to me that said corporation executed the  
same.

[Signature]  
NOTARY PUBLIC



My Commission Expires:

Residing in SALT LAKE County, UTAH

**EXHIBIT A**  
(Consultant Proposal)



**CALDWELL | RICHARDS | SORENSEN**  
ANSWERS TO INFRASTRUCTURE™

March 11, 2014

Roger Payne  
Engineering Manager for Utilities  
8000 South Redwood road  
West Jordan, UT 84088

**Re: Scope and Fee Proposal to Prepare Specifications for a New Pump, Motor and Variable Frequency Drive for Well #6**

Dear Roger,

As requested, we have prepared this scope and fee to prepare technical specifications for use in procuring a new pump and variable frequency drive (VFD) for Well #6. The existing pump has been in use since 1991 and has slowly deteriorated. The original pump was designed to pump 2,300 gpm at a total dynamic head (TDH) of 610 feet. Since that time the static water level has dropped 108 feet, meaning that the design point should now be closer to 2,300 gpm at 717 feet of TDH.

In order to get this type of production, a new pump, along with appurtenant column, tube and shaft will need to be purchased and installed. The existing starter panel is currently not operational. The starter is a soft start that slowly starts the pump and runs it at a consistent speed regardless of the amount of water being pumped or the pumping water level. The use of a VFD will allow the City to use the well at varying speeds to maintain water levels or pumping rates. We have prepared this proposal for creating the necessary technical specifications for the new pump and VFD. Below is a detailed outline of the work for this project and a fee proposal for the work we will accomplish.

**SCOPE OF WORK**

**Task 1- Prepare Pump Specifications**

CRS will review the City's previous pump design and the current water level conditions to determine the most optimal design point. We will then work with local pump suppliers and review potential pump curves to select the pump configuration that will best suit the City's needs. Based on this information, CRS will prepare technical specifications for the pump design to be sent to potential suppliers to obtain bids.

**Task 2- Prepare VFD Specifications**

Based on the selected pump configuration, we will work with our electrical engineer to prepare a technical specification for a VFD that will be compatible with the new pump design. We will prepare the specifications in a format ready to send to suppliers to solicit competitive bids.





## FEE PROPOSAL

Our estimated total fee for tasks 1 and 2 is \$2,800. Any additional work such as review of bids, selection of suppliers or preparation of bid documents will be completed on a time and materials basis. These costs are broken down by task below.

Task 1- Prepare Pump Specifications .....	\$2,600
Task 2- Prepare VFD Specifications.....	\$1,200

## SCHEDULE

We will begin work on Task 1 upon receipt of Notice to Proceed. We anticipate one week to complete the first task and one additional week to complete task two.

If you have any questions on this proposal please call me at (801) 359-5565.

Sincerely,  
**Caldwell Richards Sorensen**

A handwritten signature in cursive script that reads "Mark Chandler".

Mark Chandler, P.E.  
Project Engineer